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**NO. OF PAGES** 4 (including this page)  
**DATE** January 14, 2008

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**MESSAGE:** Please see attached.

**FROM** Harold Wells  
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**E-MAIL** hwells@kelleydrye.com  
**TIMEKEEPER ID** 05372  
**CLIENT NO.** 017191.0036

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PTO/SB/21 (01-08)

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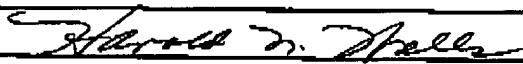
Total Number of Pages in This Submission

Application Number	10643,862
Filing Date	August 19, 2003
First Named Inventor	Michael J. Puglia
Art Unit	1797
Examiner Name	Tony Glen Soohoo
Attorney Docket Number	017191.0036

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Firm Name	Kelley Drye & Warren LLP		
Signature			
Printed name	Harold N. Wells		
Date	January 14, 2008	Reg. No.	26,044

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PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number. : 10/643,862 Confirmation Number : 5515  
Applicants : Michael J. Pugia et al.  
Filed : August 19, 2003  
Title : Mixing In Microfluidic Devices  
Art Unit : 1797  
Examiner : Tony Glen Soohoo  
Docket Number : 017191.0036  
Customer Number : 47670

RESPONSE TO INTERVIEW SUMMARY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Sir:

The telephone interview with Examiner Soohoo on November 20, 2007 was held after filing of an RCE and before examination of the claims submitted in an amendment after final mailed September 18, 2007. The remarks made in the amendment regarding the rejection under 35 U.S.C. 103(a) based on the Kellogg and Koop were reprised in the telephone discussion, as summarized by Examiner Soohoo.

In particular, we note that neither Kellogg nor Koop have two chambers that are larger than the volume of the two liquids being mixed. Furthermore, even single large chambers are not used for mixing. Such large chambers, which at first contain air, are not usual in microfluidic devices, since air must be purged with entering liquids. Microfluidic devices

CH01/WELLHA/226761.1

generally would not be expected to adopt large chambers for mixing, but instead would use smaller chambers as does Kellogg, or the capillary passageway intersection as does Koop.

Respectfully submitted,

1/14/08  
Date

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